

## **A generalization of segmentation methods of quantiles and modes to the case of several images**

Kuleev R., Fofanov V.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### **Abstract**

The problem of segmentation by several images is considered for fragments of a scene containing a given object and its neighborhood. To solve this problem, generalizations of the well-known methods of quantiles and modes are proposed that are constructed on the concept of random distance. The results of computer experiments on the segmentation of model and quasireal scenes by the methods proposed are compared. © 2008 Pleiades Publishing, Ltd.

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